

RECEIVED  
CENTRAL FAX CENTER

OCT 12 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jacobson et al.	
Serial No.: 10/622,126	
Filed: 7/17/2003	Group Art Unit: 1639
Title: Molecular Assembly Lines, Memory, Shift Registers, and Bi-Stable Switches	Examiner: Lundgren, Jeffrey S.
Attorney Docket No.: 056754/0125184	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

This Supplemental Information Disclosure Statement is submitted:

☐ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

☒ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☒ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with a:  
☐ Statement under 37 CFR 1.97(e), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which

applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

Certain of the references submitted with this filing are not required to be submitted under 37 CFR 1.56 but rather are being submitted rather as evidence of the knowledge of persons of ordinary skill in the art of the invention during the time frame contemporaneous with the filing of the present application for patent.

Applicants submit that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

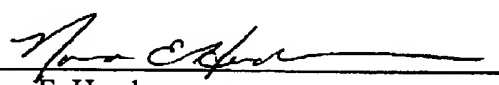
Respectfully submitted,

I hereby certify that this Correspondence is being deposited with the United States Postal service with sufficient postage for first class mail in an envelope address to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or the correspondence is being facsimile transmitted to the USPTO, on the date indicated below.

Date of Deposit: 10/11/2006

Typed Name: Norma E. Henderson

Signature: 

  
Norma E. Henderson  
Attorney/Agent for Applicant(s)  
Reg. No. 39219

Date: October 11, 2006

Telephone No.: 603-437-4400

**RECEIVED**  
**CENTRAL FAX CENTER**

**OCT 12 2006**

PTO/SB-08b (07-05)

Approved for use through 08/30/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Complete If Known</th> </tr> <tr> <td style="width: 50%;">Application Number</td> <td>10/622,126</td> </tr> <tr> <td>Filing Date</td> <td>7/17/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Jacobson, Joseph M.</td> </tr> <tr> <td>Art Unit</td> <td>1839</td> </tr> <tr> <td>Examiner Name</td> <td>Lundgren</td> </tr> <tr> <td>Attorney Docket Number</td> <td>056754/0125184</td> </tr> </table>		Complete If Known		Application Number	10/622,126	Filing Date	7/17/2003	First Named Inventor	Jacobson, Joseph M.	Art Unit	1839	Examiner Name	Lundgren	Attorney Docket Number	056754/0125184
Complete If Known																	
Application Number	10/622,126																
Filing Date	7/17/2003																
First Named Inventor	Jacobson, Joseph M.																
Art Unit	1839																
Examiner Name	Lundgren																
Attorney Docket Number	056754/0125184																
Sheet	1	of	1														

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	SNP1	CHATTERJEE, Manashi N. et al., "Beyond switches: Ratcheting a Particle Energetically Uphill with a Compartmentalized Molecular Machine", <i>J. Am. Chem. Soc.</i> , 2006, 4058-4073, 128.	
	SNP2	GARTNER, Zev J. et al., "The Generality of DNA-Templated Synthesis as a Basis for Evolving Non-Natural Small Molecules", <i>J. Am. Chem. Soc.</i> , 6/22/2001, 6961-6963, 123.	
	SNP3	GARTNER, Zev J. et al., "Multistep Small-Molecule Synthesis Programmed by DNA Templates", <i>J. Am. Chem. Soc.</i> , 2002, 10304-10306, 124.	
	SNP4	JACOBSEN, John R. et al., "Precursor-Directed Biosynthesis of Erythromycin Analogs by an Engineered Polyketide Synthase", <i>Science</i> , 7/18/1997, 367-369, 277.	
	SNP5	REIF, John H., "The design of autonomous DNA nano-mechanical devices: Walking and rolling DNA" <i>Natural Computing</i> , 2003, 439-461, 2.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*